

Appl. No. 10/033,576
Amendment dated November 6, 2006

269. (Withdrawn) An implantable electrode array comprising:
an electrode array body; and
a plurality of protuberances, each having a base end connected to said array body and a tip end, wherein said tip end is larger than said base end.
270. (Withdrawn) The implantable electrode array according to claim 269, wherein said protuberances are generally mushroom shaped.
271. (Previously Presented) An implantable visual prosthesis comprising:
an electrode array body;
insulation covering said electrode array body forming voids; and
a plurality of electrodes recessed within said voids.
272. (Withdrawn) An implantable electrode array comprising:
an electrode array body, having a generally curved surface on at least one side;
insulation covering said electrode array body forming voids; and
a plurality of electrodes recessed within said voids.
273. (Withdrawn) An implantable electrode array comprising:
an electrode array body;
insulation covering said electrode array body forming voids; and
a plurality of electrodes recessed within said voids, and exposed in more than one dimension.
274. (Withdrawn) The implantable electrode array according to claim 273, wherein said plurality of electrodes are metal slugs attached to a substrate by conductive adhesive.
275. (Withdrawn) An implantable electrode array for retinal stimulation comprising:
an electrode array body;
a plurality of electrodes deposited on said electrode array body and positioned adjacent to a

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retina; and

insulation covering said plurality of electrodes whereby said plurality of electrodes forms capacitors with the retina.

276. (Withdrawn) The implantable electrode array according to claim 275, wherein said plurality of electrodes are metal, at least partially coated in ceramic.

277. (Withdrawn) The implantable electrode array according to claim 275, wherein said plurality of electrodes are formed from tantalum.

278. (Withdrawn) The implantable electrode array according to claim 275, wherein said plurality of electrodes are formed from titanium.

279. (Withdrawn) An implantable electrode array for neural stimulation comprising:
an electrode array body;
a plurality of capacitors supported by said array body; and
a plurality of electrodes supported by said capacitors.

280. (Withdrawn) The implantable electrode array according to claim 279, wherein said capacitors are discrete components.

281. (Withdrawn) An implantable device comprising:
an integrated circuit;
a plurality of capacitors supported by, and electrically coupled to, said integrated circuit; and
a plurality of electrodes electrically coupled to said plurality of capacitors.

282. (Withdrawn) An implantable electrode array for neural stimulation comprising:
an electrode array body; and
a plurality of pyrolytic carbon electrodes on said electrode array body.